

CLAIMS:

1. Telecommunication system comprising a base station (1) and mobile terminals (11), which base station (1) comprises a generator (6) for generating channelization codes defining channels used for communication between said base station (1) and mobile terminals (11), and which base station (1) comprises a calculator (9) for calculating a cost function for a channelization code, characterized in that said base station (1) comprises a transferor (7) for transferring an ongoing call between said base station (1) and a mobile terminal (11) from a first channel defined by a first channelization code to a second channel defined by a second channelization code in dependence of at least one calculated cost function.
2. Telecommunication system according to claim 1, characterized in that said base station (1) comprises a sender (3) for sending a transferring message to said mobile terminal (11) and comprising an old channelization code and a new channelization code.
3. Telecommunication system according to claim 2, characterized in that said mobile terminal (11) comprises a receiver (15) for receiving said transferring message.
4. Telecommunication system according to claim 1, characterized in that said cost function is a function of a sum of products of an occupation parameter and a data rate for at least a specific level and divided by a data rate for a neighboring level.
5. Telecommunication system according to claim 4, characterized in that said cost function for a code c in layer i is $\text{COST} = 1 - [\sum u(x)r(x) / r_{i-1}]$, with $r(x)$ being the data rate of a layer to which code x belongs, with $u(x)$ being equal to 0 if x is free and being equal to 1 if x is occupied, and with r_{i-1} being the data rate of layer $i-1$.
6. Base station (1) for use in a telecommunication system comprising a base station (1) and mobile terminals (11), which base station (1) comprises a generator (6) for generating channelization codes defining channels used for communication between said base station (1) and mobile terminals (11), and which base station (1) comprises a calculator

(9) for calculating a cost function for a channelization code, characterized in that said base station (1) comprises a transferor (7) for transferring an ongoing call between said base station (1) and a mobile terminal (11) from a first channel defined by a first channelization code to a second channel defined by a second channelization code.

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7. Mobile terminal (11) for use in a telecommunication system comprising a base station (1) and mobile terminals (11), which base station (1) comprises a generator (6) for generating channelization codes defining channels used for communication between said base station (1) and mobile terminals (11), and which base station (1) comprises a calculator (9) for calculating a cost function for a channelization code, characterized in that said base station (1) comprises a transferor (7) for transferring an ongoing call between said base station (1) and a mobile terminal (11) from a first channel defined by a first channelization code to a second channel defined by a second channelization code.

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8. Method for use in a telecommunication system comprising a base station (1) and mobile terminals (11), which base station (1) comprises a generator (6) for generating channelization codes defining channels used for communication between said base station (1) and mobile terminals (11), and which base station (1) comprises a calculator (9) for calculating (21) a cost function for a channelization code, characterized in that said method comprises the step of transferring (24) an ongoing call between said base station (1) and a mobile terminal (11) from a first channel defined by a first channelization code to a second channel defined by a second channelization code.

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9. Processor program product for use in a telecommunication system comprising a base station (1) and mobile terminals (11), which base station (1) comprises a generator (6) for generating channelization codes defining channels used for communication between said base station (1) and mobile terminals (11), and which base station (1) comprises a calculator (9) for calculating (21) a cost function for a channelization code, characterized in that processor program product comprises the function of transferring (24) an ongoing call between said base station (1) and a mobile terminal (11) from a first channel defined by a first channelization code to a second channel defined by a second channelization code.

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